APPENDIX

<u>IN THE CLAIMS</u>:

Changes were made as follows:

1. (Twice Amended) A signal processor for converting digital images for use in an imaging system, comprising:

a digital data memory adapted for storing digital data representing an image having the properties of a circular field-of-view and objects in the field-of-view being substantially in focus,

a control input for receiving a signal representing a selection of a portion of the image, wherein said selection ranges across said field-of-view, and

a converter, responsive to said control input, for converting stored digital data in said digital data memory representing a planar image for display.

11. (Twice Amended) A method of converting a digital image for use in an imaging system comprising the steps of:

storing digital data representing an image having the properties of a circular field-of-view and objects in the field-of-view being substantially in focus,

selecting a portion of said image, wherein said selecting step selects said portion across said field-of-view, and

converting stored digital data representing the selected portion into digital data representing a perspective-corrected image for display.

23. (Twice Amended) A method of converting digital images for use in an imaging system comprising the steps of:

storing digital data representing an image having the properties of a circular field-of-view and objects in the field-of-view being substantially in focus,

selecting a viewing angle, wherein said viewing angle is chosen from the angles varying across said field-of-view, and

processing, responsive to the selected viewing angle, the stored digital data according to the selected viewing angle and to output a perspective-corrected image for display.

25. (Twice Amended) A memory for a signal processor, comprising:

a data structure, responsive to a control input representing a selection of a portion of an image stored in said memory, wherein said selection is chosen across said field of view, said data structure representing an orthogonal set of transformation algorithms which include calibration coefficients which are modified to correct for various lenses; and

a buffer memory adapted to store digital image data for transformation.

38. (Amended) A method for displaying a portion of an image, the image having a field of view greater than or equal to 180 degrees, the method comprising the steps of:

capturing digital data representing at least some of the image;

receiving an input of at least one selected portion of the at least some of the digital data; and

converting the at_least one selected portion to a perspective corrected image in real-time in response to <u>and based on information included in</u> the input.

46. (Amended) Apparatus for displaying a portion of an image, the image having a field of view greater than or equal to 180 degrees, the apparatus comprising:

image capturing means for capturing digital data representing at least some of the image;

input means for receiving an input of at least one selected portion of the at least some of the digital data; and

converter means for converting the at_least one selected portion to a perspective corrected image in real-time in response to <u>and based on information included in</u> the input.

47. (Amended) Apparatus for displaying a portion of an image, the image having a field of view greater than or equal to 180 degrees, the apparatus comprising:

a lens for capturing digital data representing at least some of the image;

a joystick of <u>for</u> inputting at least one selected portion of the at least some of the digital data; and

a converter for converting the at_least one selected portion to a perspective corrected image in real-time in response to <u>and based on information included in</u> the input.

48. (Amended) A method for obtaining a wide-angle image, the wide angle image having a field of view greater than 180 degrees, the method comprising the steps of:

capturing the wide-angle image;

storing the wide-angle image in a format for subsequent display, said format being capable of transformation from said wide-angle image to a perspective-corrected image in real-time responsive to <u>and based on information included in</u> an input.

49. (Amended) Apparatus for providing a wide-angle image, the wide angle image having a field of view greater than or equal to 180 degrees, the apparatus comprising:

a lens for capturing the wide-angle image;

a memory for storing the wide-angle image in a format for subsequent display, said format being capable of transformation from said wide-angle image to a perspective-corrected image in real time responsive <u>to and based on information included in</u> an input.

New claims 50-51 were added.